

**Flood Control Project Maintenance
Levee Inspections**

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0018	Overall LMA Rating	Total LMA Miles						
California Department of Fish and Game Shea Levee	U	0.30						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.50		0.50	166.67%				
Trim / Thin Trees	0.14		0.14	46.67%				
Animal Control	0.06		0.06	20.00%				
Flood Preparedness & Training	0.01		0.01	3.33%				
<i>LMA Totals:</i>	0.71	0.00	0.71	236.67%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
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LMA District Cover Sheet
Fall 2013 Levee Inspection Results

California Department of Fish and Game Shea Levee

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2013 Levee Inspection Results

California Department of Fish and Game Shea Levee

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/04/2013 - 03/04/2013		10/25/2013 - 10/25/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Michael Harris Department of Fish and Game		Michael Harris Department of Fish and Game	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

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Levee Inspection Report By Mile - Fall 2013

California Department of Fish and Game Shea Levee

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Left	0.30	10/25/2013 10/25/2013	Bob Duffey	
LMR No.	Levee Mile		Category	Item	Location * Rating + Ma	Action/Comment	GPS Latitude/Longitude		Issue No.	Photo
	Start	End					Start	End		
1			Earthen Levee	Operations & Maintenance Manuals	LS Ma	A			7	
DWR ID: DWR_NA0018_01_s_2013_7										
2			Earthen Levee	Flood Preparedness & Training	LS Ma	M	Inspector Comments: LMA has not completed any training and does not have an available flood plan.		8	
DWR ID: DWR_NA0018_01_s_2012_8										
3			Earthen Levee	Emergency Supplies & Equipment	LS Ma	A			10	
DWR ID: DWR_NA0018_01_s_2013_10										
4	0.00	0.28	Earthen Levee	Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	40.511276 ° -122.360355 °	40.507907 ° -122.363620 °	11 Y
DWR ID: DWR_NA0018_01_f_2013_11										
5	0.02	0.06	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	40.511185 ° -122.360553 °	40.510670 ° -122.361203 °	1 Y
DWR ID: DWR_NA0018_01_s_2012_1										
6	0.02	0.08	Earthen Levee	Animal Control	LS Ma	M	A2 : Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: The livestock damaged the L/S slope.	40.511185 ° 122.360553 °	40.510671 ° 122.360944 °	6 Y
DWR ID: DWR_NA0018_01_s_2013_6										
7	0.06	0.20	Earthen Levee	Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	40.510649 ° -122.360945 °	40.509012 ° -122.362609 °	9 Y
DWR ID: DWR_NA0018_01_f_2012_9										
8	0.08	0.21	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	40.510671 ° -122.360944 °	40.509146 ° -122.362499 °	5 Y
DWR ID: DWR_NA0018_01_s_2012_5										
9	0.25	0.30	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	40.508138 ° -122.363480 °	40.508138 ° -122.363480 °	2 Y
DWR ID: DWR_NA0018_01_s_2012_2										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Levee Inspection Report By Mile - Fall 2013

California Department of Fish and Game Shea Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	10/25/2013 10/25/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.28
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The Department of Fish and Wildlife service has done no maintenance.	
rduffey_f_20131104_134.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.02
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the berry vines along the L/S slope.	
rduffey_f_20130919_001.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.02
End Levee Mile	0.08
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the livestock erosion along the landside slope.	
rduffey_f_20130919_004.JPG	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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California Department of Fish and Game Shea Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	0.30	10/25/2013 10/25/2013	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	0.06
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Remove the small trees along the landside slope.	
rduffey_f_20130919_005.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.08
End Levee Mile	0.21
Location	Land Side
Category	Earthen Levee
Item	Vegetation
The Department Fish and Wildlife Service has done no maintenance this year.	
rduffey_f_20131104_135.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.25
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the vegetation along the L/S slope.	
rduffey_f_20130919_002.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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